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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,226	09/11/2003	Rebecca E. Cahoon	BB1159USDIV	7821
23906	7590	05/23/2005	EXAMINER	
E I DU PONT DE NEMOURS AND COMPANY LEGAL PATENT RECORDS CENTER BARLEY MILL PLAZA 25/1128 4417 LANCASTER PIKE WILMINGTON, DE 19805			BUI, PHUONG T	
			ART UNIT	PAPER NUMBER
			1638	

DATE MAILED: 05/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/660,226	Applicant(s) CAHOON ET AL.	
	Examiner Phuong T. Bui	Art Unit 1638	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☒ Claim(s) 1-11 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-10, drawn to a polynucleotide, classified in class 536, subclass 23.2.
 - II. Claim 11, drawn to a method of using the polynucleotide, classified in class 530, subclass 370.

In addition to an election of one of inventions I-II listed above, Applicant is required to elect one of the following inventions A-N to which the claims must be restricted.

Group A, drawn to a polynucleotide of SEQ ID NO: 1 or corresponding polypeptide of SEQ ID NO: 2.

Group B, drawn to a polynucleotide of SEQ ID NO: 3 or corresponding polypeptide of SEQ ID NO: 4.

Group C, drawn to a polynucleotide of SEQ ID NO: 5 or corresponding polypeptide of SEQ ID NO: 6.

Group D, drawn to a polynucleotide of SEQ ID NO: 7 or corresponding polypeptide of SEQ ID NO: 8.

Group E, drawn to a polynucleotide of SEQ ID NO: 9 or corresponding polypeptide of SEQ ID NO: 10.

Group F, drawn to a polynucleotide of SEQ ID NO: 11 or corresponding polypeptide of SEQ ID NO: 12.

Group G, drawn to a polynucleotide of SEQ ID NO: 13 or corresponding polypeptide of SEQ ID NO: 14.

Group H, drawn to a polynucleotide of SEQ ID NO: 15 or corresponding polypeptide of SEQ ID NO: 16.

Group I, drawn to a polynucleotide of SEQ ID NO: 17 or corresponding polypeptide of SEQ ID NO: 18.

Group J, drawn to a polynucleotide of SEQ ID NO: 19 or corresponding polypeptide of SEQ ID NO: 20.

Group K, drawn to a polynucleotide of SEQ ID NO: 21 or corresponding polypeptide of SEQ ID NO: 22.

Group L, drawn to a polynucleotide of SEQ ID NO: 23 or corresponding polypeptide of SEQ ID NO: 24.

Group M, drawn to a polynucleotide of SEQ ID NO: 25 or corresponding polypeptide of SEQ ID NO: 26.

Group N, drawn to a polynucleotide of SEQ ID NO: 27 or corresponding polypeptide of SEQ ID NO: 28.

Groups A-N are unrelated as they are drawn to structurally distinct polynucleotides encoding different polypeptides and obtained from different sources.

The inventions are distinct, each from the other because of the following reasons:

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2. Inventions I and II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the product can be used to express the enzyme of interest.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, different searches and recognized divergent subject matter, restriction for examination purposes as indicated is proper. Also, each sequence would require a separate sequence search.

4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

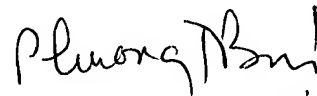
5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong T. Bui whose telephone number is 571-272-0793. The examiner can normally be reached on Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amy Nelson can be reached on 571-272-0804. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


5/16/05
Phuong T. Bui
Primary Examiner
Art Unit 1638

5/13/05